Federal Resource Allocation Methodology

John Anasis

Transmission Business Line

Methodology for Allocating Federal Resources to NT Contracts

- Start with the total forecasted monthly NT load to be served by federal resources.
- Compute the amount of WNP-2 generation specified in PTP contracts. Subtract this amount from the total capacity of WNP-2. The remainder is the amount of WNP-2 capacity serving NT load.
- Subtract this WNP-2 amount from the total NT load served by federal resources. The remainder is served by federal hydro resources.

Methodology (continued)

- Develop a forecast for federal west-side generation. Deem this generation to serve NT loads in western Oregon/SW Washington.
- After reducing the federal NT load by these WNP-2 and west-side generation adjustments, allocate the remaining federal NT load to the "Big 10" federal hydro projects in proportion to each project's H/K factor.
- The project H/K factor specifies the project's electrical output in MW as a function of the water flow through the powerhouse measured in kcfs.

Methodology (continued)

- This allocation results in a dispatch pattern for the federal resources. The impact across constrained paths of interest is then computed using this dispatch pattern.
- PTP contracts which specify these same federal resources create additional impact across the constrained paths. No allocation methodology is required since PTP specifies a contract demand.